

ADVANCED CELL TECHNOLOGY
LIST OF ISSUANCES OF ACTC COMMON STOCK
JULY 29, 2009 TO NOVEMBER 15, 2011

Date	Preferred Stock Debt Investor	Preferred Stock Debt Conversions Shares	Shares issued	Description	Price at which Securities were Converted or Exercised	Share balance
10/18/2010	Gemini Master Fund	108,528	108,528	additional redemption 09 debenture	\$ 0.05	1,062,891,210
10/29/2010	JMJ Financial	2,500,000	2,500,000	JMJ Note DocB02152008add3 Conversion on 10/29/2010	\$ 0.10	1,065,191,210
11/1/2010		8,320,638	8,320,638	redemption 09 debenture	\$ 0.05	1,073,511,848
11/1/2010		6,082,660	6,082,660	redemption 08 debenture	\$ 0.05	1,079,594,508
11/1/2010		6,579,745	6,579,745	redemption 07 debenture	\$ 0.05	1,086,174,253
11/1/2010		1,897,567	1,897,567	redemption 06 debenture	\$ 0.05	1,088,071,820
11/1/2010		21,690	21,690	redemption 05 debenture	\$ 0.05	1,088,093,510
11/4/2010	Gemini Master Fund	45,204	45,204	additional redemption 09 debenture	\$ 0.05	1,088,138,714
11/5/2010	Midsummer Investments	73,750	73,750	additional redemption 09-10 debenture	\$ 0.05	1,088,212,464
11/8/2010	JMJ Financial	2,600,000	2,600,000	JMJ Note DocB02152008add3 Conversion on 11/02/2010	\$ 0.10	1,090,812,464
11/30/2010	JMJ Financial	5,500,000	5,500,000	JMJ Note DocB02152008add3 Conversion on 11/24/2010	\$ 0.10	1,096,312,464
12/1/2010		15,077	15,077	redemption 05 debenture	\$ 0.07	1,096,327,541
12/1/2010		1,319,063	1,319,063	redemption 06 debenture	\$ 0.07	1,097,646,604
12/1/2010		3,125,815	3,125,815	redemption 07 debenture	\$ 0.07	1,100,772,419
12/1/2010		4,228,224	4,228,224	redemption 08 debenture	\$ 0.07	1,105,000,643
12/1/2010		7,340,559	7,340,559	redemption 09-10 debenture	\$ 0.04	1,112,341,202
12/3/2010	JMJ Financial	8,785,500	8,785,500	JMJ Note DocB02152008add3 Conversion on 11/30/2010	\$ 0.10	1,121,106,702
12/6/2010	Gemini Master Fund	20,172		additional redemption 10 debenture	\$ 0.04	
	Brio Capital	350,000		conversion 10 debenture	\$ 0.10	
	Brio Capital Select	200,000		conversion 10 debenture	\$ 0.10	
		570,172	570,172			1,121,676,874
12/8/2010	Midsummer Investments	130,654		additional redemption 08 debenture	\$ 0.06	
	Midsummer Investments	229,615		additional redemption 07 debenture		
		360,269	360,269			1,122,037,143
12/9/2010	Midsummer Investments	899,470		conversion 10 debenture		
	Alpha Capital	2,000,000		conversion 10 debenture		
	Brio Capital	421,428		conversion 10 debenture		
	Gemini Master Fund, Ltd.	1,542,860		conversion 10 debenture		
	Brio Capital Select	237,143		conversion 10 debenture		
	JMJ Financial	5,800,000		JMJ Note DocB02152008add3 Conversion on 12/02/2010		
	JMJ Financial	3,850,000		JMJ Note DocB02152008add3 Conversion on 12/06/2010		
	JMJ Financial	2,556,400		JMJ Note DocB02152008add3 Conversion on 12/06/2010		
		17,277,301	17,277,301			1,139,314,444
12/10/2010	Alpha Capital	950,000		conversion 10 debenture	\$ 0.10	
	JMJ Financial	5,115,892		JMJ Note DocB02152008add3 Conversion on 12/07/2010	\$ 0.10	
	Alpha Capital	135,710		conversion 10 debenture	\$ 0.10	
		6,201,602	6,201,602			1,145,516,046
12/10/2010	Brio Capital	1,197,000		cash exercise 10 debenture warrant	\$ 0.11	
	JMG Capital	408,983		cashless exercise 06 debenture warrant	\$ 0.10	
	JMG Triton	408,983		cashless exercise 06 debenture warrant	\$ 0.10	
	JMJ Financial	11,887,395		JMJ Note DocA-03302010a Conversion on 12/08/2010	\$ 0.10	
	JMJ Financial	6,600,000		JMJ Note DocA-03302010a Conversion on 12/08/2010	\$ 0.10	
	Brio Investments	7,334,237		conversion 06 debenture and settlement shares	\$ 0.10	
	Jay Goldman Master	517,153		cashless exercise 05 debenture warrant	\$ 0.10	
	Jay Goldman Master	361,875		cashless exercise 06 debenture warrant	\$ 0.10	
	Jay Goldman Master	292,039		cashless exercise 07 debenture warrant	\$ 0.10	
		29,007,665	29,007,665			1,174,523,711
12/14/2010	Smithfield Fiduciary	321,219		cashless exercise 05 debenture warrant		
	Smithfield Fiduciary	427,729		cashless exercise 05 debenture warrant		
	Smithfield Fiduciary	5,215,086		cashless exercise 07 debenture warrant		
	Smithfield Fiduciary	1,094,985		cashless exercise 08 debenture warrant		
		7,059,019	7,059,019			1,181,582,730
12/15/2010	Bushido Capital	53,632		cashless exercise 05 debenture warrant	\$ 0.10	
	Bushido Capital	71,431		cashless exercise 06 debenture warrant	\$ 0.10	
	Bushido Capital	34,218		cashless exercise 08 debenture warrant	\$ 0.10	
	BCMF Trustees	87,183		cashless exercise 05 debenture warrant	\$ 0.10	
	BCMF Trustees	116,128		cashless exercise 06 debenture warrant	\$ 0.10	
	BCMF Trustees	54,749		cashless exercise 08 debenture warrant	\$ 0.10	
	Portside Growth and Opp	248,560		cashless exercise 06 debenture warrant	\$ 0.10	
	Portside Growth and Opp	330,978		cashless exercise 07 debenture warrant	\$ 0.10	
	Portside Growth and Opp	164,165		cash exercise 10 debenture warrant	\$ 0.11	
	Brio Capital Select	678,300				1,183,422,077
		1,839,344	1,839,347			
12/16/2010	Evan Malik	11,428		cashless exercise 05 debenture warrant	\$ 0.10	
	Evan Malik	17,239		cashless exercise 06 debenture warrant	\$ 0.10	
	Paracon Capital	1,216,853		cashless exercise 07 debenture warrant	\$ 0.10	
	Paracon Capital	256,637		cashless exercise 08 debenture warrant	\$ 0.10	
	JMJ Financial	10,000,000		JMJ Note DocA-03302010b Conversion on 12/09/2010	\$ 0.10	
		11,502,157	11,502,156			1,194,924,233
12/20/2010	JMG Triton	189,441		cashless exercise 06 debenture warrant	\$ 0.10	
	JMG Capital	189,441		cashless exercise 06 debenture warrant		
		378,882				1,195,303,115
12/22/2010	Paracon Capital	257,143		conversion 10 debenture		
	Midsummer Investments	416,243		conversion 10 debenture		
	JMG Triton	29,763		cashless exercise 05 debenture warrant		
	JMG Triton	117,338		cashless exercise 06 debenture warrant		
	JMG Triton	63,043		cashless exercise 06 debenture warrant		
	JMG Triton	105,072		cashless exercise 05 debenture warrant		
	JMG Capital	29,763		cashless exercise 06 debenture warrant		
	JMG Capital	117,338		cashless exercise 05 debenture warrant		
	JMG Capital	63,043		cashless exercise 06 debenture warrant		
	JMG Capital	105,072		cashless exercise 06 debenture warrant		
		1,303,818	1,303,818			1,196,606,933
12/23/2010	JMG Triton	132,955		cashless exercise 06 debenture warrant	\$ 0.10	
	JMG Triton	251,576		cashless exercise 06 debenture warrant	\$ 0.10	
	JMG Capital	132,955		cashless exercise 06 debenture warrant	\$ 0.10	
	JMG Capital	251,576		cashless exercise 06 debenture warrant	\$ 0.10	
	Optimus CG II	16,000,000		Settlement shares - Ropes & Gray	\$ 0.15	
		16,789,062				1,213,375,995
12/27/2010	PDPI, LLC	3,102,675		cashless exercise 07 debenture warrant	\$ 0.10	
	PDPI, LLC	615,827		cashless exercise 08 debenture warrant	\$ 0.10	
	JMJ Financial	15,000,000		JMJ Note DocA-02152008add4 Conversion on 12/15/2010	\$ 0.10	

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Note A

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	JMJ Financial	20,658,228		JMJ Note DocA-02152008add4 Conversion on 12/21/2010	\$ 0.10	1,252,752,725
		39,376,730	39,376,730			
12/28/2010	Cranshire Capital	472,990		cashless exercise 05 debenture warrant	\$ 0.10	
	Cranshire Capital	629,823		cashless exercise 06 debenture warrant	\$ 0.10	
	Cranshire Capital	2,559,708		cashless exercise 07 debenture warrant	\$ 0.10	
	Cranshire Capital	545,846		cashless exercise 08 debenture warrant	\$ 0.10	
	Optimus CG II	62,000,000		Settlement shares - ARS	\$ 0.11	
		56,208,367	56,208,367			1,308,961,092
12/29/2010	JMG Capital	203,782		cashless exercise 06 debenture warrant	\$ 0.10	
	JMG Capital	101,320		cashless exercise 06 debenture warrant	\$ 0.10	
		305,102	305,102			1,309,266,194
12/30/2010	JMJ Financial	5,965,764		JMJ Note DocA-03302010c Conversion on 12/23/2010	\$ 0.10	
	JMJ Financial	19,864,660		JMJ Note DocA-03302010b Conversion on 12/21/2010	\$ 0.10	
	JMJ Financial	6,278,311		JMJ Note DocA-03302010c Conversion on 12/27/2010	\$ 0.10	
	JMJ Financial	15,869,576		JMJ Note DocA-03302010c Conversion on 12/22/2010	\$ 0.10	
		47,978,311	47,978,311			1,357,244,505
12/30/2010	Brio Capital	370,743		cashless exercise 07 debenture warrant	\$ 0.10	
	Whispering Capital Fund	864,298		cashless exercise 09 debenture warrant	\$ 0.10	
	Runnels Family Trust	143,330		cashless exercise 05 debenture warrant	\$ 0.10	
	Runnels Family Trust	190,855		cashless exercise 06 debenture warrant	\$ 0.10	
	Runnels Family Trust	517,113		cashless exercise 07 debenture warrant	\$ 0.10	
	Runnels Family Trust	127,237		cashless exercise 08 debenture warrant	\$ 0.11	
	JMG Triton	203,782		cashless exercise 06 debenture warrant	\$ 0.10	
	JMG Triton	101,320		cashless exercise 06 debenture warrant	\$ 0.10	
		2,218,678	2,218,678			1,359,463,183
12/30/2010	TR Winston & Company	1,264,760		cashless exercise 06 debenture warrant	\$ 0.10	
	TR Winston & Company	2,035,289		cashless exercise 05 debenture warrant	\$ 0.10	
	Brio Capital	504,690		cashless exercise 07 debenture warrant	\$ 0.10	
	High Tide	143,330		cashless exercise 05 debenture warrant	\$ 0.10	
	High Tide	190,855		cashless exercise 06 debenture warrant	\$ 0.10	
	High Tide	620,535		cashless exercise 07 debenture warrant	\$ 0.10	
	High Tide	127,237		cashless exercise 08 debenture warrant	\$ 0.10	
	Paragon Capital	96,443		cashless exercise 09 debenture warrant	\$ 0.11	
	Newberg Family Trust	231,858		cashless exercise 05 debenture warrant	\$ 0.10	
	Newberg Family Trust	331,346		cashless exercise 06 debenture warrant	\$ 0.10	
		5,546,643	5,546,643			1,365,009,826
12/30/2010	Alpha Capital	668,000		cash exercise 10 debenture warrant	\$ 0.11	
	Alpha Capital	4,100,000		cash exercise 10 debenture warrant	\$ 0.11	
		4,768,000	4,768,000			1,369,797,826
12/31/2010	JGB Capital	276,416		cashless exercise 05 debenture warrant	\$ 0.10	
	JGB Capital	27,584		cashless exercise 06 debenture warrant	\$ 0.10	
	Chestnut Ridge Partners	1,043,017		cashless exercise 07 debenture warrant	\$ 0.10	
	Chestnut Ridge Partners	208,732		cashless exercise 08 debenture warrant	\$ 0.10	
		1,555,749	1,555,749			1,371,353,575
12/31/2010	Black Diamond Fund	356,915		cashless exercise 07 debenture warrant	\$ 0.10	
		356,915	356,915			1,371,710,490
12/31/2010	Optimus CG II	63,281,250	63,281,250	Optimus preferred stock	\$ 0.16	1,434,991,740
1/5/2011	Option Opportunities	1,349,130	1,349,130	cash exercise 09 debenture warrant	\$ 0.11	1,436,340,870
1/6/2011	John Kryzanowski	171,429				
	William McAdam	171,429				
	Pierce Atwood	77,787				
	Barbara McShane	85,714				
		506,359	506,359	redemption 10 debenture	\$ 0.10	1,436,847,229
1/10/2011	Paragon Capital	399,000		cash exercise 10 debenture warrant	\$ 0.11	
	Alpha Capital	455,260		cashless exercise 05 debenture warrant	\$ 0.10	
	Alpha Capital	636,165		cashless exercise 06 debenture warrant	\$ 0.10	
	Alpha Capital	1,551,338		cashless exercise 07 debenture warrant	\$ 0.10	
	Alpha Capital	437,695		cashless exercise 08 debenture warrant	\$ 0.10	
		3,479,478	3,479,477			1,440,326,706
1/11/2011	Mark Iacono	397,906		cashless exercise of options dated 07/20/2010	\$ 0.10	1,440,724,612
1/11/2011	Gary Rabin	5,000,000		stock grant per employment contract 12/14/2010	\$ -	1,445,724,612
1/19/2011	WRW Investments	100,000		cash exercise of warrants dated 08/17/2004	\$ 0.05	
	WRW Investments	50,000		cash exercise of warrants dated 10/30/2004	\$ 0.05	
	JMB Capital	1,143,462		cash exercise 05 debenture warrant	\$ 0.10	
	JMB Capital	1,634,114		cash exercise 06 debenture warrant	\$ 0.10	
	Arnhem Venture Management	100,000		cash exercise of warrants dated 08/17/2004	\$ 0.05	
		3,027,576				1,448,752,188
1/25/2011	Bienville Holding Ltd.	175		cashless exercise of 05 (Gamma A Transferees) warrants 09/15/05	\$ 0.10	
	Oachita Holding Ltd.	552		cashless exercise of 05 (Gamma A Transferees) warrants 09/15/05	\$ 0.10	
	Lafourche Holding Ltd.	1,568		cashless exercise of 05 (Gamma A Transferees) warrants 09/15/05	\$ 0.10	
	Calcasieu Holding Ltd.	3,331		cashless exercise of 05 (Gamma A Transferees) warrants 09/15/05	\$ 0.10	
	Natchitoches Holding Ltd.	4,671		cashless exercise of 05 (Gamma A Transferees) warrants 09/15/05	\$ 0.10	
	Avoyelles Holding Ltd.	23,904		cashless exercise of 05 (Gamma A Transferees) warrants 09/15/05	\$ 0.10	
	Bienville Holding Ltd.	264		cashless exercise of 06 (Gamma A Transferees) warrants 09/06/06	\$ 0.10	
	Oachita Holding Ltd.	832		cashless exercise of 06 (Gamma A Transferees) warrants 09/06/06	\$ 0.10	
	Lafourche Holding Ltd.	2,365		cashless exercise of 06 (Gamma A Transferees) warrants 09/06/06	\$ 0.10	
	Calcasieu Holding Ltd.	5,025		cashless exercise of 06 (Gamma A Transferees) warrants 09/06/06	\$ 0.10	
	Natchitoches Holding Ltd.	7,046		cashless exercise of 06 (Gamma A Transferees) warrants 09/06/06	\$ 0.10	
	Avoyelles Holding Ltd.	36,060		cashless exercise of 06 (Gamma A Transferees) warrants 09/06/06	\$ 0.10	
		85,793	85,793			1,448,837,981
1/25/2011	Jeff Ramson	238,220	238,220	cashless exercise of options dated 07/20/2010	\$ 0.10	1,449,076,201
1/25/2011	Cameron LLC	2,549		cashless exercise of 05 (Gamma C Transferees) warrants 09/15/05	\$ 0.10	
	Natchitoches Holding Ltd.	31,654		cashless exercise of 05 (Gamma C Transferees) warrants 09/15/05	\$ 0.10	
	Cameron LLC	3,845		cashless exercise of 06 (Gamma C Transferees) warrants 09/06/06	\$ 0.10	
	Natchitoches Holding Ltd.	47,748		cashless exercise of 06 (Gamma C Transferees) warrants 09/06/06	\$ 0.10	
		85,796	85,796			1,449,161,997
2/14/2011	Robert Lanza	12,421,101	12,421,101	remaining stock unit award issued 02/04/2010	\$ -	1,461,583,098
2/14/2011	Barbara McShane	85,714		redemption 10 debenture	\$ 0.10	
	John A. Kryzanowski	171,429		redemption 10 debenture	\$ 0.10	
	Pierce Atwood	77,787		redemption 10 debenture	\$ 0.10	
	William McAdam	171,429		redemption 10 debenture	\$ 0.10	
	TR Winston & Company	2,000,000		cash exercise of 06 warrants	\$ 0.10	
		2,506,359	2,506,359			1,464,089,457
2/15/2011	Optimus CG II, Ltd.	8,057,408		true-up shares	\$ -	
	Transition Holdings, Ltd.	7,413,000		Settlement Shares	\$ -	
		15,470,408	15,470,408			1,479,559,865
2/16/2011	Alan Shapiro	408,324	408,324	2010 Board Fees and 2011 Annual Retainer	\$ 0.20	1,479,966,189
2/17/2011	Nancy Caldwell	1,026,000	1,026,000	cash exercise of warrants issued to Andwell LLC	\$ 0.05	1,480,992,189

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2/17/2011	Gemini Master Fund	20,000,000	20,000,000	Settlement Shares	\$ -	1,500,992,189
2/24/2011	Nancy Caldwell	650,000	650,000	cash exercise of warrants issued to Nancy Caldwell	\$ 0.05	1,501,642,189
3/3/2011	Barbara McShane John A. Kryzanowski Pierce Atwood William McAdam	85,714 171,429 77,787 171,429 <u>506,359</u>		redemption 10 debenture redemption 10 debenture redemption 10 debenture redemption 10 debenture		
			506,359		\$ 0.10	1,502,148,548
3/8/2011	TR Winston & Company	2,000,000	2,000,000	cash exercise of 06 warrants issued 09/06/06	\$ 0.10	1,504,148,548
3/23/2011	RHP Master Fund TR Winston & Company	250,000 <u>2,000,000</u> <u>2,250,000</u>	2,250,000	cash exercise of 06 warrants issued 04/04/08 cash exercise of 06 warrants issued 09/06/06	\$ 0.10	1,506,398,548
3/25/2011	RHP Master Fund	452,800	452,800	cash exercise of 06 warrants issued 04/04/08	\$ 0.10	1,506,851,348
4/4/2001	RHP Master Fund	250,000	250,000	cash exercise of 07 warrants issued 08/31/07	\$ 0.10	1,507,101,348
4/5/2011	TR Winston & Company RHP Master Fund	2,000,000 <u>250,000</u> <u>2,250,000</u>	2,250,000	cash exercise of 06 issued 09/06/06 and 07 warrants issued 08/31/07 cash exercise of 07 warrants issued 08/31/07	\$ 0.10	1,509,351,348
4/6/2011	TR Winston & Company	1,000,000	1,000,000	cash exercise of 07 warrants issued 08/31/07	\$ 0.10	1,510,351,348
4/7/2011	RHP Master Fund	250,000	250,000	cash exercise of 07 warrants issued 08/31/07	\$ 0.10	1,510,601,348
4/11/2011	TR Winston & Company	2,000,000	2,000,000	cash exercise of 07 warrants issued 08/31/07	\$ 0.10	1,512,601,348
4/13/2011	RHP Master Fund	400,000	400,000	cash exercise of 07 warrants issued 08/31/07	\$ 0.10	1,513,001,348
4/18/2011	Socius CG II	26,666,666	26,666,666	warrant exercise related to the \$800K and \$4mm drawdown dated 12/30/2010	\$ 0.18	1,539,668,014
4/19/2011	TR Winston & Company	1,044,655	1,044,655	cash exercise of 07 warrants issued 08/31/07	\$ 0.10	1,540,712,669
4/22/2011	RHP Master Fund	250,000	250,000	cash exercise of 07 warrants issued 08/31/07	\$ 0.10	1,540,962,669
4/28/2011	JGB Capital RHP Master Fund	289,789 250,000 <u>539,789</u>	289,789 250,000	cash exercise of 06 warrants issued 09/06/06 cash exercise of 07 warrants issued 08/31/07	\$ 0.10	1,541,482,438
5/4/2011	TR Winston RHP Master Fund	1,000,000 250,000 <u>1,250,000</u>	1,000,000 250,000	cash exercise of 07 warrants issued 08/31/07 cash exercise of 07 warrants issued 08/31/07	\$ 0.10	1,542,732,438
5/9/2011	RHP Master Fund	225,223	225,223	cash exercise of 07 warrants issued 08/31/07	\$ 0.10	1,542,957,661
5/16/2011	CAMOFI Master LDC CAMHZN Master LDC	481,406 128,898 <u>610,304</u>	481,406 128,898	cash exercise of 05 warrants issued 09/15/05 cash exercise of 07 warrants issued 08/31/07	\$ 0.10	1,543,567,965
5/16/2011	University of MA	751,406	751,406	Issuance of Common Stock Per Letter Agreement with UMASS dated 04/27/2011	\$ 0.18	1,544,319,371
5/23/2011	CAMOFI Master LDC CAMHZN Master LDC	749,222 200,607 <u>949,829</u>	749,222 200,607	cash exercise of 05 warrants issued 09/15/05 cash exercise of 07 warrants issued 08/31/07	\$ 0.10	1,545,269,200
6/6/2011	CAMOFI Master LDC CAMHZN Master LDC	1,000,000 267,754 <u>1,267,754</u>	1,000,000 267,754	cash exercise of 05 warrants issued 09/15/05 and 06 warrants issued 09/06/06 cash exercise of 07 warrants issued 08/31/07	\$ 0.10	1,546,536,954
6/8/2011	TR Winston	1,000,000	1,000,000	cash exercise of 07 warrants issued 08/31/07	\$ 0.10	1,547,536,954
6/9/2011	CAMOFI Master LDC CAMHZN Master LDC	1,000,000 267,754 <u>1,267,754</u>	1,000,000 267,754	cash exercise of 06 warrants issued 09/06/06 cash exercise of 07 warrants issued 08/31/07	\$ 0.10	1,548,804,708
6/10/2011	TR Winston	1,000,000	1,000,000	cash exercise of 07 warrants issued 08/31/07	\$ 0.10	1,549,804,708
6/15/2011	Gemini Master Fund	1,987,829	1,987,829	cashless exercise of 10 warrants issued 02/18/10	\$ 0.11	1,551,792,537
6/21/2011	Robert Lanza	750,000	750,000	cash exercise of 04 option issued 04/12/2004	\$ 0.05	1,552,542,537
6/23/2011	Socius CG II	25,668,449	4,278,075 21,390,374 <u>25,668,449</u>	warrant exercise equal to \$800K and related to \$4mm drawdown dated 06/16/2011 additional investment rights related to the \$4mm drawdown dated 06/16/2011	\$ 0.19	1,578,210,986
6/24/2011	CAMOFI Master LDC CAMHZN Master LDC	1,000,000 267,754 <u>1,267,754</u>	1,000,000 267,754	cash exercise of 06 warrants issued 09/06/06 and 07 warrants issued 08/31/07 cash exercise of 07 warrants issued 08/31/07	\$ 0.10	1,579,478,740
6/30/2011	Socius CG II	7,562,008	7,562,008	stock payment of commitment fee (5% of the \$25mm maximum placement)	\$ 0.19	1,587,040,748
7/18/2011	TR Winston	1,000,000	1,000,000	cash exercise of 07 warrants issued 08/31/07	\$ 0.10	1,588,040,748
7/19/2011	Mark J. Iacono	500,000	500,000	one-time grant of shares per Consulting Agreement 01/01/2011	\$ -	1,588,540,748
7/25/2011	TR Winston	1,000,000	1,000,000	cash exercise of 07 warrants issued 08/31/07	\$ 0.10	1,589,540,748
7/27/2011	CAMOFI Master LDC CAMHZN Master LDC	1,000,000 267,754 <u>1,267,754</u>	1,000,000 267,754	cash exercise of 07 warrants issued 08/31/07 cash exercise of 07 warrants issued 08/31/07	\$ 0.10	1,590,808,502
8/12/2011	Midsummer Investments Midsummer Small Cap Master	29,352,600 6,647,400 <u>36,000,000</u>	29,352,600 6,647,400	cashless exercise of 05 to 08 warrants per settlement agreement 08/09/2011 cashless exercise of 09 to 10 warrants per settlement agreement 08/09/2011	\$ -	1,626,808,502
8/17/2011	TR Winston	1,000,000	1,000,000	cash exercise of 07 warrants issued 08/31/07	\$ 0.10	1,627,808,502
8/31/2011	Desert Green	1,130,000	1,130,000	one-time grant of shares per Consulting Agreement 01/01/2011	\$ -	1,628,938,502
9/2/2011	Alan Shapiro	100,982	100,982	board Fees - 03/15/2011 to 08/01/2011	\$ 0.18	1,629,039,484
9/23/2011	Socius CG II	11,605,416	1,834,238 9,871,180 <u>11,605,416</u>	warrant exercise equal to \$300K and related to \$1.5mm drawdown dated 09/22/2011 additional investment rights related to the \$1.5mm drawdown dated 09/22/2011	\$ 0.16	1,640,644,900
11/2/2011	Alpha Capital	39,514,859	39,514,859	court ordered issuance pursuant to the terms of the 2005-2010 Debentures and Warrants	\$ 0.0353	1,680,159,759
11/2/2011	Alan Shapiro	500,000	500,000	2011 board compensation - annual stock grant approved by BOD on 08/01/2011	\$ 0.1845	1,680,659,759
11/3/2011	Robert Lanza	6,000,000	6,000,000	stock compensation per employment agreement 08/08/2011	\$ 0.15712	1,686,659,759
11/14/2011	Alan Shapiro	13,846	13,846	board fees - 09/21/2011	\$ 0.1625	1,686,673,605
11/14/2011	Gary Rabin	1,000,000	1,000,000	grant of restricted stock per employment agreement dated 07/01/2011	\$ -	1,687,673,605
11/15/2011	Black Mountain Equities, Inc.	18,000,000	18,000,000	court ordered issuance pursuant to the terms of the 2008 warrants	\$ 0.0300	1,705,673,605

Black Mountain